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For : **SYSTEM AND METHOD FOR SCHEDULING TRAVEL ON A CHARTER  
TRANSPORT**

Enclosed are:

1. 29 sheets of written description, 13 sheets of claims, and 1 sheet of abstract.
2. 2 sheet(s) of drawings, (Figures 1 & 2)

The filing fee has been calculated as shown below:

	NUMBER FILED	NUMBER EXTRA*	RATE (\$)	FEE (\$)
BASIC FEE			760.00	\$760.00
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*Number extra must be zero or larger			TOTAL	\$2,854.00
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3. The Office is authorized to charge the filing fee of **\$1,427.00** to **Deposit Account No. 11-0600**. A duplicate copy of this paper is enclosed for that purpose.
4. Please direct all correspondence to **Michael Haynes** at **KENYON & KENYON, 1500 K Street, N.W., Washington, D.C. 20005**, phone number **(202) 220-4247**.

Respectfully submitted,



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## Method and System for Scheduling Travel on a Charter Transport

### Field of the Invention

The present invention relates to the field of travel, and, more particularly, to a  
5 system and method for scheduling travel on a charter transport.

### Brief Description of the Drawings

The invention will be more readily understood through the following detailed  
description, with reference to the accompanying drawings, in which:

10 **FIG. 1** is a block diagram of an embodiment of a system of the present  
invention; and

**FIG. 2** is a block diagram of a device of the present invention.

### Detailed Description

15 There are approximately 800 charter jet operators in the United States  
operating under the "Part 135" rules of the Federal Aviation Administration (FAA).  
Part 135 operators are "on demand" operators that provide non-scheduled charter  
service. Unlike scheduled operators, the timing of the flight is at the discretion of  
the customer.

20 There are approximately 4,400 private jet aircraft in service today. Each year  
these planes fly an average of 260 flights. A small minority of these planes are  
corporate jets. The vast majority of these planes, however, are owned by the 800  
"Part 135" charter operators and are chartered by travelers on a per flight-hour basis.  
Charges vary between a low of \$1,200 an hour of flight time for a small Lear jet  
25 with a capacity of 5 to as much as \$8,000 per hour or more for a larger Challenger  
with room for at least 10.

Typically, a traveler on a Part 135 plane charts the entire plane, rather than  
a seat on the plane. Thus, for example, when a traveler charts the plane for a trip  
from New York to Chicago for an overnight trip, the plane stays at the airport and  
30 waits for that traveler. Charges for the overnight stay for the pilots are added. If the

traveler is staying many days or only needs the jet one way, the plane will typically immediately return to its home base and the cost of this "empty leg" or "deadhead" trip will be included in the rate for a one-way rental. It is estimated that there are over 114,000 empty leg flights a year.

5 Today, the air charter industry has little incentive to fill empty legs, because each empty leg is already paid for by the person chartering the plane for the flight that creates an empty leg. For example, if someone needs to fly from Washington to Atlanta and return on the same day or even the next day, typically the crew will wait on the ground for the passenger(s) and an extra fee will be added for overnight  
10 accommodations for the crew. If that person only needs the plane one way, or if the passenger(s) need to stay for an extended trip, the plane will return to its base that day. The charter operator then adds the cost of this return trip to the cost of the charter. Some charter operators will then attempt to fill this leg by calling charter operators in the city that the plane is returning from and ask them if they know of  
15 anyone needing a charter from that city to a city "in-line" and/or intermediate to the return destination. In most cases the trip will go unfilled. If it is filled, the full rate for the plane is charged and, typically, a partial credit is issued to the person who originally chartered the plane.

One embodiment of the present invention includes an Internet-based  
20 reservation system, that allows charter jet operators to fill empty legs of charter flights by selling seats on these legs directly to travelers. A traveler can log onto the reservation system web site, see the availability of seats on these jets, and purchase an available seat. The system can handle the settlement charges and can take a fee for its services. Ultimately, by being able to fill the seats on a plane as opposed to  
25 simply chartering the plane, the system can dramatically reduce the cost of chartering and increase demand for private jet travel. Thus, the system has the potential to drastically increase the utilization of charter jets in the US and overseas.

Fig. 1 is a block diagram of an embodiment of a reservation system 1 of the present invention. System 1 can include one or more traveler information devices

110, one or more charter operator information device 120, and a reservation server 130, each connected via a network 140.

Within system 1, traveler information device 110 can be used by a traveler to interact with a reservation service at server 130 to, for example, request a passenger accommodation reservation, receive notice of a passenger accommodation and/or reservation, provide payment for a reservation, provide notice of delays, etc. Charter operator information device 120 can be used by a charter transport operator and/or a charter transport service operator to interact with a reservation service at server 130 to, for example, communicate an availability of a charter transport, submit bids to fulfill a passenger accommodation reservation request, receive notice of a passenger accommodation reservation, provide notice of charter run delays, receive notice of passenger delays, receive payment for a passenger accommodation reservation, etc.

Fig. 1 also shows, using curved arrows, a method 2 of the present invention in the form of exemplary information flows within system 1. During exemplary information flow 10, a traveler can communicate a request for a passenger accommodation reservation to the reservation service. The request can include one or more origin-destination-pairs (e.g., city-pairs, airport-pairs, port-pairs, etc.), as well as departure dates and times and/or arrival dates and times. Any arrival time or destination time can be expressed as a specific time, such as 9:00AM. Moreover, any arrival time or destination time can be expressed as a time period, such as between 9:00AM and 11:00AM. Furthermore, any arrival time or destination time can be expressed as a time limit, such as, no earlier than 9:00AM.

By way of further example, a traveler can send a request for two seats on a charter transport that is flying from Northern Virginia to Hilton Head, South Carolina on the morning of June 12, 2000. Additional requests can be received from the same and/or different travelers.

During exemplary information flow 20, the reservation service can receive information from the charter transport service operator regarding the availability of a charter transport. By way of further example, a charter transport service operator called RoyalAir can notify the accommodation reservation service that a Lear having

3 available seats will be departing Dulles Airport in Northern Virginia on June 12, 2000 at approximately 9:00AM in route to Jacksonville, Florida.

After comparing the outstanding requests with the availability information, and detecting a match according to a match criteria, during exemplary information flow 30 the reservation service can communicate a notification to the traveler of the availability of two seats (on the Lear) corresponding to the traveler's request and offering to reserve those seats for the traveler and his/her companion.

During exemplary information flow 40, the traveler can accept the seat reservations and provide payment for the reservations. During exemplary information flow 50, the reservation service can notify RoyalAir of the reservation and information regarding the passengers holding the seat reservations. During exemplary information flow 60, RoyalAir can notify the reservation service regarding various issues related to the flight from Dulles to Jacksonville by way of Hilton Head, such as, for example, delays in departure, a possibility of departing earlier than the scheduled 9:00AM time, changes in menu and/or drink choices, a substitution of aircraft, etc. During exemplary information flow 70, the reservation service can relay these issues to the traveler, and/or can provide a receipt for the earlier payment. During exemplary information flow 80, the reservation service can provide payment to RoyalAir.

One of ordinary skill in the art can implement method 2 via system 1 utilizing any of a wide variety of well-known architectures, hardware, protocols, and/or software. Thus, the following description of system 1 can be viewed as illustrative, and should not be construed to limit the implementation of method 2.

For example, traveler information device 110 and/or charter operator information device 120 can be embodied as a land-line or wireless telephone, facsimile, personal computer, personal information manager, personal digital assistant, handheld computer, data terminal, and/or other similar device.

Each traveler information device 110, charter operator information device 120, and server 130 can be considered a processing device. Fig. 2 shows an exemplary processing device 210 that can, via its instructions, be adapted to provide

the functions of traveler information device 110, charter operator information device 120, or server 130. Processing device 210 can include one or more processors 212, one or more memories 214 containing instructions 216, one or more input/output (I/O) devices 218, and one or more network interfaces 219.

5           In one embodiment, each processor 212 can be a general purpose microprocessor, such as the Pentium series microprocessor manufactured by the Intel Corporation of Santa Clara, California. In another embodiment, processor 212 can be an Application Specific Integrated Circuit (ASIC) which has been designed to implement in its hardware and/or firmware at least a part of a method in accordance  
10       with an embodiment of the present invention.

Each memory 214 can be coupled, directly or indirectly, to processor 212 and can store instructions 216 adapted to be executed by processor 212. Memory 214 can be any device capable of storing analog or digital information, such as a hard disk, Random Access Memory (RAM), Read Only Memory (ROM), flash  
15       memory, a compact disk, a magnetic tape, a floppy disk, and any combination thereof.

Input/output (I/O) device 218 can be an audio and/or visual device, including, for example, a monitor, display, keyboard, keypad, touch-pad, pointing device, microphone, speaker, video camera, camera, scanner, printer, and/or port to  
20       which an I/O device can be attached or connected.

Network 140 can electronically link physically distant traveler information devices 110, charter operator information devices 120, and servers 130 so that information can be transmitted and/or exchanged there between. Network 140 can have any architecture, including a direct connection, a local area network, a wide  
25       area network such as the public switched telephone network and/or the Internet, and/or a combination thereof. Network 140 can be a packet-switched, a circuit-switched, a connectionless, or connection-oriented network or interconnected networks, or any combination thereof. Network 140 can be oriented toward voice, data, or voice and data communications. Moreover, a transmission media of

network 140 can take any form, including wireline, satellite, wireless, or a combination thereof.

The software of system 1 can take any of numerous forms that are well-known in the art. For example, server 130 can include and/or be coupled to one or  
5 more databases having a flat file or a relational organization, and a centralized or distributed architecture. For instance, those of skill in the art can tailor products such as an SQL database to provide the functionality of method 2 and system 1. Moreover, tools such as HTML, XML, XSL, and WAP can be utilized for communications between device 110, device 120, and server 130. Additionally,  
10 system 1 can utilize platform-independent and network-centric software such as Java or JavaScript, thereby potentially eliminating the need for server 130. System 1 can also include a Geographical Information System (GIS) within or coupled to server 130. Such systems are typically capable of understanding the spatial relationship of various locations and of tracking the movement of entities across such locations.

15 There are substantial advantages of the methods and systems of the present invention over the known methods and systems. For example, embodiments of the present invention can allow charter operators to hold their empty leg availability out to a much broader audience and increase their chances of filling these empty legs. Within the audience, there are a large audience of executive travelers that would like  
20 the opportunity to fly in a private jet versus the standard commercial flight. Typically, these travelers are flying on full fare coach, refundable tickets and are making adjustments to their schedules at the last minute. With system 1, travelers can check availability of seats on charter flights through the Internet and book a seat on a flight.

25 Once they book the seat, travelers can be given all necessary information required by the FAA, such as tail number, certificate information, etc. as well instructions on where and when to meet their flight. They can also be given a number to call if they are running late. In one embodiment, once they arrive at the terminal, they will only have to present identification. All tickets can be electronic.  
30 As with all charter flights, the plane crew can be responsible for assuring the correct

identification is presented and that people are briefed on the safety issues for that aircraft. For each flight there can be an estimated departure time, typically a one-hour window. Unlike commercial flights, however, the plane has some flexibility as to when to leave and can wait for passengers if they are running late, or can leave  
5 early if all the passengers have arrived.

If demand for these seats outstrips supply, the reservation service can become a virtual airline booking charter flights through its existing charter transport operator partners to fill this demand. If existing partners cannot meet this demand, the reservation service can also purchase its own planes to fill seat demand between  
10 high volume origin-destination-pairs.

System 1 can operate as an 800 number service and/or a web site. If operated as a web site, system 1 can have two major components, an interface for charter transport operators and an interface for travelers. The transport operator interface can provide screens to allow charter operators to post empty leg availability of their  
15 jets and some turbo prop trips on planes such as a King Air. This interface can also allow them to maintain a calendar presentation of their overall flight schedules. This tool can make it easier for charter operators to post their schedule and track their overall inventory of flights.

The traveler interface can allow travelers to post passenger accommodation  
20 reservation requests identifying the constraints associated with their travel, such as for example, the origin-destination-pairs desired, the days and approximate times of travel between each origin-destination-pair, the type of plane desired, meal and/or drink preferences, smoking preferences, etc.

Requests can be of several forms. For example, a request can be a  
25 committed request, wherein if a flight is found that corresponds to the traveler's request, a reservation is automatically made. In this situation, the server can also automatically charge the passenger for the booked reservation. A request can also be a notification request, wherein the server notifies the traveler of the availability of a flight meeting some or all of the constraints identified in the traveler's request. This  
30 notification (and all notifications described herein) can occur via any known method,



including telephone, fax, pager, e-mail, and/or push technology to the traveler's browser.

Another form of request is a standing request, which would typically be placed by a traveler who travels frequently between a particular origin-destination-  
5 pair, such that any available seat corresponding to that origin-destination-pair would generally be of moderate to high interest to that traveler. For example, an entrepreneur who frequently travels between Memphis and Washington, DC, and who has permanent lodging accommodations at both locations, may be able to adjust his or her business schedule to take advantage of many of the charter flights that  
10 arise between those locations having available seats. In this example, the server could automatically notify the traveler regardless of the date and time period of the flight.

Requests can be received in any of several manners. A request can be received directly from a traveler. Also, a request can be received from an agent of  
15 the traveler, such as, for example, a travel partner of the traveler, a family member of the traveler, a secretary of a traveler, a travel planner of the traveler, etc. Moreover, a request can be received from a commercial reservation system, such as, for example, the SABRE system.

Similarly, travelers can be notified of available seats in any of several  
20 manners. The traveler can be directly notified of the available seat. Also, a notification can be sent to an agent of the traveler, such as, for example, a travel partner of the traveler, a family member of the traveler, a secretary of a traveler, a travel planner of the traveler, etc. Moreover, a notification can be sent to a commercial reservation system, such as, for example, the SABRE system.

25 System 1 can learn of available seats in several manners. In one embodiment, each participating charter operator can initially provide server 130 with a list of charter transports (e.g., airplanes, helicopters, limousines, yachts, sailboats, etc.) controlled and/or managed by that operator. For each transport, this list can include information regarding the transport, including, for example, the transport's  
30 identification number, its seating capacity, its travel capabilities, maintenance

records, license information, etc. The reservation server can store this transport information in a database. In one embodiment, the reservation service can also store in the database relevant information regarding the transport, such as, for example any inspection ratings and/or scores for the transport, traveler satisfaction ratings for the transport, complaints regarding the transport, etc.

Then, as empty legs become known to a charter operator, that charter operator can communicate to the reservation server the identification of the charter transport and its availability (e.g., the dates and times it is available for use). Thus, once a reservation request is received, the server can check its database for the available inventory of flights and seats and see whether there is a match or not.

Alternatively, a traveler can provide a passenger accommodation reservation request (e.g., a seat reservation request) to the reservation server, and the server can automatically seek bids to fulfill the seat request from a plurality of participating charter operators. In one embodiment, the server can select the lowest bid and provide it to the traveler. In another embodiment, the server can provide any and/or all received bids to the traveler. The traveler can accept any received bid and communicate this selection to the server, which can provide notification to the corresponding charter operator.

In either case, system 1 can automatically identify one or more charter transports having an available passenger accommodation. A transport can be automatically identified when it is identified without substantial human involvement. For example, in one embodiment, a transport can be identified fully-automatically, wherein there is no human involvement. In another exemplary embodiment, a transport can be identified quasi-automatically, wherein the only human involvement is that needed to initiate a process by which a transport is identified. In yet another exemplary embodiment, a transport can be identified semi-automatically, wherein a list of transports is identified and communicated to a human and the human selects the identification of the transport best meeting the reservation request by, for example, selecting the transport and clicking an "Approved" button on a computer screen.

Travelers can reserve a seat by providing payment information, such as credit card information. Moreover, either when placing a request or when reserving a seat, a traveler can register with the accommodation reservation system. The registration information can include all necessary information about the traveler such as, for example, name, addresses, phone numbers, emergency contacts, etc. Both the payment information and the registration information can be stored by the system, thereby eliminating the need for the traveler to again provide it. Moreover, with this information stored, the traveler can accept and pay for a seat with a single action, such as, for example, by clicking on an "Accept Seat" button.

Once a traveler books a seat, they can be given all necessary information, such as seat number, transport number, tail number, contact information, etc., as well instructions on where and when to meet their flight. The passenger can also be given a number to call if they are running late. In one embodiment, once the passenger arrives at the terminal, they will only have to present identification. All tickets can be electronic. As with all charter flights, the pilots can be responsible for assuring the correct identification is presented and that people are briefed on the safety issues for that aircraft. For each flight there can be an estimated departure time, typically a one-hour window. As soon as all travelers arrive, the plane can depart. Unlike commercial flights, the plane has some flexibility as to when to leave and can wait for passengers if they are running late, or can leave early if all the passengers have arrived.

Travelers can be offered the opportunity to set up a premium service where they input their frequent city pairs and request notification via phone, fax, e-mail, push technology to the traveler's web page, or pager when system 1 has an empty leg available for that origin-destination-pair.

The reservation service can establish a relationship with an on-line travel provider to fill any unfilled travel requests. When requests result in a one-way that needs to be filled, intelligence can be built into system 1 to either offer to fill this through a traditional carrier, offer this sale to charter operators, or to fill this request by matching it with others to fill a plane and create a new charter managed by the

reservation service.

The reservation service can set up a frequent traveler program that can allow travelers to earn free trips as they accumulate points. The reservation service can attempt to extend these benefits to existing frequent traveler programs with each  
5 airline. The reservation service can also extend this service to American Express customers for Membership Mile members to accumulate points that can be used on other airlines through American Express's existing program.

The architecture for system 1 can begin simply and evolve as demand grows. Initially, system 1 can seek to only complete reservations for exact matches of origin  
10 and destination points of travelers that match exactly those for the empty legs entered. This would mean that a flight from New York to Chicago would be matched by a filling an empty leg from Teterboro to Midway, but not a flight from Teterboro to Los Angeles via Midway. Little logic could be required and demand exactly matches supply. This can narrow exact matches, though.

15 In a second phase, system 1 could allow for a lot more flexibility for both travelers and charter operators. Here system 1 could match traveler requirements with flight paths and routing to optimize the request for all travelers. There can be four main variables utilized in this matching:

1. The geographic location of the plane at any given point;
- 20 2. The time that a flight occurs;
3. The price paid for a flight; and
4. The cost of a flight.

Each one of these variables can be subject to variation for a given flight, although  
25 system 1 can restrict the fluctuation. For example, system 1 can establish a fixed price for all flights up to a certain mileage or certain operators may require that their planes leave for their home base within a predetermined time of their arrival at a given destination. In addition, there can be economic limits that determine limits for each variable. For example, for any given flight there can be a minimum charge for  
30 a passenger needed to recover the cost of carrying that passenger.

Not all of these limits need be hard, and they can all be co-dependent. For example, a potential passenger may be willing to pay more for a flight from an airport that is 30 minutes from their house than for one that is an hour's drive away. The same passenger, however, may be willing to drive the extra distance in order to  
5 leave 30 minutes earlier. Thus, system 1 can allow a passenger to search for a flight from a given location at a given time and see in return results for inexact matches.

To determine how to make the matches, consider first the problem of matching only the start or end-point of any given flight. In this case, the variable ranges can be represented as an n-space, with matches of individual combinations  
10 represented as shapes within this n-space.

The ranges of each set of variables may not be symmetric and there may be more than three sets of variables (for example number of travelers may be yet another dimension). In any case each variable can be continuous within each range and a function can be defined representing the range of possible values for each  
15 variable. This function can have a maximum at the most desirable point within each range. The intersection of the maxima for all variables can give the optimal combination for any one set of possible combinations. This intersection can be thought of as a "center" for each set. It is possible that there may be multiple maxima for a given set of combinations, but for the problem at hand such cases can  
20 be decomposed into multiple instances each having a single maxima. For example, someone willing to fly for one price in the morning and a different price in the afternoon can be treated as two separate purchasers. Thus, the process of matching seller and buyer can be a case of finding the closest matches to the center for each set.

25 The entire problem set can be represented by a combination of the origination and destination into a single entity known as a route. In a market with a high number of buyers or sellers this might give satisfactory results. Initially, however, this may not provide enough matches. In particular, system 1 may fail to find routes that could otherwise be successfully broken into two or more pieces thus matching  
30 multiple requests. Thus, a given flight can be treated as a linked list representing all

possible routes within a given geographic area and a given time span. Matching can then begin by matching flight origination together as a best match described above. If the destination falls within the range of possible destinations for the flight the possibility is retained for further investigation. If a set of exact origination and destination matches can be made then no further work is needed. If the destination is not the flight's final destination then a new origination can be created and can be used to possibly match other requested flights. Similarly, matches can be made against destination and used to generation possible origins.

The process of generating and matching new origins and destinations is the classic "traveling salesman" problem, which is known to be NP complete. This means that as the number of possible endpoints grows as the number of possible solutions grows non-linearly and the best solution cannot necessarily be found within a given finite time frame.

There are several approaches for finding close approximate solutions to the traveling salesman problem. In particular, Monte Carlo and genetic algorithms may be applicable as well as applying neural networks. In the worst case, generating anything approaching near time matches to Web requests could require extensive hardware and still provide only affirmative matches for exact matches. As a result, the process of matching flights and requests can be treated as an hour long process with e-mails generated thereafter to the travelers telling them of the results for a given request. Alternatively, the process of matching flights and requests can be treated as an ongoing process which ends a predetermined time prior to departure.

Collection and presentation of the results can be through Web browsers, thus the de-facto standards of the Web can determine the architecture of system 1. Moreover, system 1 can separate its presentation logic from its business logic. Thus, a multi-tiered system with browsers, application servers, and database servers can be utilized.

Architecturally, in order to capture its main variables, system 1 can consider four main entities:

1. Travelers;

2. Carriers;
3. Routes;
4. Accounts.

5 A traveler can become a passenger when a passenger accommodation (e.g., a seat, cabin, bunk, etc.) reservation is booked in their name. Carriers can operate one or more forms of transportation. That is, system 1 is not necessarily limited to jets. Instead, system 1 can be utilized for reserving passenger accommodations on helicopters, yachts, sailboats, and even limousines. Routes can be determined by the capabilities of the forms of transportation in use. Accounts can track the costs and payments.

Some of the basic relationships and sub-entities of these entities can be as follows:

- Travelers can book reservations for passenger accommodations;
- 15 · Carriers can operate transports;
- Transports can travel certain routes;
- Routes can have costs associated with them;
- Transports can have operating costs associated with them;
- Travelers can book certain routes.
- 20 · Routes can have an origination and a destination (origin-destination-pair);
- Routes can be traversed in a certain time period;
- Travelers and passengers can have arrival and departure times.

25 Based on these conceptual requirements, a combination of exact and fuzzy logic can be used to match travelers to routes. Both forms of logic can be handled by a fuzzy logic application since exact matches can be coded as discrete values (instead of ranges) within such an application.

As described above, embodiments of the present invention can provide a method for scheduling travel on a charter transport. The method can include

30

5            Still other advantages of the present invention will become readily apparent to those skilled in this art from the above-recited detailed description. Accordingly, the drawings and descriptions are to be regarded as illustrative in nature, and not as restrictive.



[illegible]

- 1 1. A method for scheduling travel on a charter transport, comprising:  
2 obtaining from a traveler a passenger accommodation request  
3 identifying an origin-destination-pair;  
4 automatically identifying one or more charter transports having an  
5 available passenger accommodation; and  
6 notifying the traveler of the available passenger accommodation.
- 1 2. The method of claim 1, wherein the passenger accommodation request is  
2 obtained from an agent of the traveler.
- 1 3. The method of claim 1, wherein the passenger accommodation request is  
2 obtained from a reservation system.
- 1 4. The method of claim 1, wherein an agent of the traveler is notified of the  
2 available passenger accommodation.
- 1 5. The method of claim 1, wherein a reservation system is notified of the  
2 available passenger accommodation.
- 1 6. The method of claim 1, further comprising requesting bids to provide a  
2 passenger accommodation.
- 1 7. The method of claim 1, further comprising requesting bids from a plurality of  
2 charter transport operators to provide a passenger accommodation.
- 1 8. The method of claim 1, further comprising requesting bids from a plurality of  
2 charter transport operators to provide a passenger accommodation related to  
3 the request.

- 1 9. The method of claim 1, further comprising receiving bids to provide a  
2 passenger accommodation.
- 1 10. The method of claim 1, further comprising receiving bids to provide a  
2 passenger accommodation related to the request.
- 1 11. The method of claim 1, further comprising receiving bids from a plurality of  
2 charter transport operators to provide a passenger accommodation.
- 1 12. The method of claim 1, further comprising receiving bids from a plurality of  
2 charter transport operators to provide a passenger accommodation related to  
3 the request.
- 1 13. The method of claim 1, further comprising selecting a bid to provide a  
2 passenger accommodation.
- 1 14. The method of claim 1, further comprising selecting a bid from a plurality of  
2 bids to provide a passenger accommodation.
- 1 15. The method of claim 1, further comprising selecting a lowest bid from a  
2 plurality of bids to provide a passenger accommodation.
- 1 16. The method of claim 1, further comprising forwarding to the traveler a bid to  
2 provide a passenger accommodation.
- 1 17. The method of claim 1, further comprising forwarding to the traveler a  
2 plurality of bids to provide a passenger accommodation.
- 1 18. The method of claim 1, further comprising forwarding to the traveler bids

2 from a plurality of charter transport operators to provide a passenger  
3 accommodation.

1     19.     The method of claim 1, further comprising forwarding to the traveler a bid to  
2     provide a passenger accommodation related to the request.

1    20.    The method of claim 1, further comprising forwarding to the traveler a  
2           plurality of bids to provide a passenger accommodation related to the  
3           request.

1    21.    The method of claim 1, further comprising forwarding to the traveler bids  
2            from a plurality of charter transport operators to provide a passenger  
3            accommodation related to the request.

1    22.    The method of claim 1, further comprising offering to the traveler a  
2    passenger accommodation.

1 23. The method of claim 1, further comprising offering to the traveler a  
2 passenger accommodation related to the request.

1    24.    The method of claim 1, further comprising receiving an acceptance of an  
2    offered passenger accommodation.

1    25.    The method of claim 1, further comprising receiving information relating to a  
2       charter transport's availability.

1    26.    The method of claim 1, further comprising receiving information relating to a  
2       charter transport's capacity.

1 27. The method of claim 1, further comprising receiving information relating to

- 2 an availability of one or more passenger accommodations on a charter  
3 transport.
- 1 28. The method of claim 1, further comprising receiving information relating to  
2 an availability of one or more passenger accommodations on a charter  
3 transport for a time period.
- 1 29. The method of claim 1, further comprising receiving information relating to  
2 an availability of one or more passenger accommodations on a charter  
3 transport run.
- 1 30. The method of claim 1, further comprising checking information relating to a  
2 charter transport's availability.
- 1 31. The method of claim 1, further comprising matching the request to an  
2 available passenger accommodation.
- 1 32. The method of claim 1, further comprising communicating a charter  
2 transport's availability to the traveler.
- 1 33. The method of claim 1, further comprising aggregating the request with other  
2 requests.
- 1 34. The method of claim 1, further comprising scheduling a charter transport run  
2 based on one or more requests.
- 1 35. The method of claim 1, further comprising reserving the available passenger  
2 accommodation.
- 1 36. The method of claim 1, further comprising reserving the available passenger



- 1 48. The method of claim 1, wherein the request is a committed request.
- 1 49. The method of claim 1, wherein the request is a notification request.
- 1 50. The method of claim 1, wherein the request is a standing request.
- 1 51. The method of claim 1, wherein the request identifies a date of departure  
2 from an origin identified in the origin-destination-pair.
- 1 52. The method of claim 1, wherein the request identifies a time period of  
2 departure from an origin identified in the origin-destination-pair.
- 1 53. The method of claim 1, wherein the request identifies a time of departure  
2 from an origin identified in the origin-destination-pair.
- 1 54. The method of claim 1, wherein the request identifies a date of arrival at a  
2 destination identified in the origin-destination-pair.
- 1 55. The method of claim 1, wherein the request identifies a time period of arrival  
2 at a destination identified in the origin-destination-pair.
- 1 56. The method of claim 1, wherein the request identifies a time of arrival at a  
2 destination identified in the origin-destination-pair.
- 1 57. The method of claim 1, wherein the passenger accommodation is a seat.
- 1 58. The method of claim 1, wherein the passenger accommodation is a cabin.
- 1 59. The method of claim 1, wherein the passenger accommodation is a bunk.

- 1 60. The method of claim 1, wherein the charter transport is a charter airplane.
- 1 61. The method of claim 1, wherein the charter transport is a charter jet.
- 1 62. The method of claim 1, wherein the charter transport is a charter helicopter.
- 1 63. The method of claim 1, wherein the charter transport is a charter automobile.
- 1 64. The method of claim 1, wherein the charter transport is a charter limousine.
- 1 65. The method of claim 1, wherein the charter transport is a charter water-craft.
- 1 66. The method of claim 1, wherein the charter transport is a charter yacht.
- 1 67. The method of claim 1, wherein the charter transport is a charter sailboat.
- 1 68. The method of claim 1, wherein the notification is sent to the traveler  
2 automatically.
- 1 69. The method of claim 1, wherein the notification is sent to the traveler fully-  
2 automatically.
- 1 70. The method of claim 1, wherein the notification is sent to the traveler semi-  
2 automatically.
- 1 71. The method of claim 1, wherein the notification is sent to the traveler quasi-  
2 automatically.
- 1 72. The method of claim 1, wherein the traveler is notified via the Internet.

- 1 73. The method of claim 1, wherein the traveler is notified via an e-mail  
2 message.
- 1 74. The method of claim 1, wherein the traveler is notified via a pager message.
- 1 75. The method of claim 1, wherein the traveler is notified via a telephone  
2 message.
- 1 76. The method of claim 1, wherein the traveler is notified via a fax message.
- 1 77. The method of claim 1, further comprising receiving a non-charter transport  
2 service's ticket from the traveler.
- 1 78. The method of claim 1, further comprising receiving a non-charter transport  
2 service's ticket from the traveler and returning the non-charter transport  
3 service's ticket to the non-charter transport service for reimbursement.
- 1 79. The method of claim 1, further comprising if a scheduled charter transport  
2 run is not available to accommodate the passenger accommodation request,  
3 scheduling a new charter transport run to accommodate the passenger  
4 accommodation request.
- 1 80. The method of claim 1, further comprising obtaining an additional passenger  
2 accommodation request for an intermediate origin-destination-pair and  
3 obtaining a passenger accommodation reservation on the charter transport for  
4 the additional passenger accommodation request.
- 1 81. The method of claim 1, further comprising obtaining an additional passenger  
2 accommodation request for an intermediate origin-destination-pair, obtaining  
3 an additional passenger accommodation reservation on the charter transport



4 for the additional passenger accommodation request, and notifying a traveler  
5 associated with the additional passenger accommodation request of the  
6 additional passenger accommodation reservation and a departure time of the  
7 charter transport from an origin of the intermediate origin-destination-pair.

1 82. A method for filling a dead-leg charter transport run, comprising:  
2 communicating an origin, destination, and departure period of a  
3 charter transport having a dead-leg run; and  
4 receiving a passenger list and departure schedule.

1 83. The method of claim 82, further comprising allowing each passenger  
2 identified on the passenger list to board the charter transport upon arrival at a  
3 transport boarding facility.

1 84. The method of claim 82, further comprising boarding one or more passengers  
2 identified on the passenger list.

1 85. The method of claim 82, further comprising delaying departure to  
2 accommodate a late-arriving passenger.

1 86. The method of claim 82, further comprising expediting departure when all  
2 passengers identified on the passenger list have boarded the charter transport.

1 87. The method of claim 82, further comprising departing ahead of schedule  
2 when all passengers identified on the passenger list have boarded the charter  
3 transport.

1 88. The method of claim 82, further comprising transporting passengers  
2 identified on the passenger list.

- 1 89. A method for filling one or more available passenger accommodations on a  
2 charter transport, comprising:  
3 communicating an availability of the charter transport to an  
4 accommodation reservation service; and  
5 receiving a passenger list and departure schedule from the  
6 accommodation reservation service.
- 1 90. The method of claim 89, further comprising communicating run periods  
2 associated with the charter transport.
- 1 91. The method of claim 89, further comprising receiving inspection  
2 communications.
- 1 92. The method of claim 89, further comprising receiving inspection  
2 communications related to maintenance.
- 1 93. The method of claim 89, further comprising receiving inspection  
2 communications related to service.
- 1 94. The method of claim 89, further comprising receiving inspection  
2 communications in the form of reminders.
- 1 95. The method of claim 89, further comprising receiving inspection  
2 communications in the form of requests.
- 1 96. The method of claim 89, further comprising receiving inspection  
2 communications in the form of orders.
- 1 97. A method for filling an available passenger accommodations on a charter  
2 transport, comprising:

- 3 submitting a bid to fulfill a passenger accommodation request; and  
4 receiving notification that the bid was successful.
- 1 98. A method for filling an available passenger accommodation on a charter  
2 transport, comprising:  
3 communicating an availability of the charter transport;  
4 receiving bids for the available passenger accommodation; and  
5 selecting a bid for the available passenger accommodation.
- 1 99. A method for obtaining a passenger accommodation reservation on a charter  
2 transport, comprising:  
3 submitting a passenger accommodation reservation request having an  
4 origin, destination, and departure period; and  
5 receiving a passenger accommodation reservation and a departure  
6 schedule.
- 1 100. The method of claim 99, further comprising receiving notification of a  
2 charter transport run.
- 1 101. The method of claim 99, further comprising receiving notification of a  
2 charter transport run corresponding to the passenger accommodation  
3 reservation request.
- 1 102. The method of claim 99, further comprising receiving a bid to provide a  
2 passenger accommodation.
- 1 103. The method of claim 99, further comprising receiving a bid to provide a  
2 passenger accommodation, the bid related to the passenger accommodation  
3 reservation request.

- 1 104. The method of claim 99, further comprising receiving a plurality of bids to  
2 provide a passenger accommodation, the plurality of bids related to the  
3 passenger accommodation reservation request.
- 1 105. The method of claim 99, further comprising selecting a bid to provide a  
2 passenger accommodation.
- 1 106. The method of claim 99, further comprising accepting a bid to provide a  
2 passenger accommodation.
- 1 107. The method of claim 99, further comprising receiving a passenger  
2 accommodation reservation offer associated with a charter transport run.
- 1 108. The method of claim 99, further comprising receiving a passenger  
2 accommodation reservation offer associated with a charter transport run  
3 related to the passenger accommodation reservation request.
- 1 109. The method of claim 99, further comprising accepting a passenger  
2 accommodation reservation offer associated with a charter transport run.
- 1 110. The method of claim 99, further comprising accepting a passenger  
2 accommodation reservation offer for a charter transport run related to the  
3 passenger accommodation reservation request.
- 1 111. The method of claim 99, further comprising providing payment for the  
2 passenger accommodation reservation.
- 1 112. The method of claim 99, further comprising arriving at a charter transport  
2 boarding facility.

- 1 113. The method of claim 99, further comprising boarding the charter transport.
- 1 114. A method for obtaining a passenger accommodation reservation on a charter  
2 transport, comprising:  
3 reviewing available charter transports; and  
4 submitting a bid for a passenger accommodation on a charter  
5 transport run.
- 1 115. The method of claim 114, further comprising identifying at least one origin-  
2 destination-pair.
- 1 116. The method of claim 114, further comprising identifying at least one origin-  
2 destination-pair and a corresponding time period.
- 1 117. The method of claim 114, further comprising receiving notification of a  
2 successful bid.
- 1 118. The method of claim 114, further comprising receiving a passenger  
2 accommodation reservation.
- 1 119. The method of claim 114, further comprising receiving a departure schedule.

A method is disclosed for scheduling travel on a charter transport. The method can include obtaining from a traveler a passenger accommodation request identifying an origin-destination-pair. The method can also include automatically identifying one or more charter transports having an available passenger accommodation. Moreover, the method can include notifying the traveler of the available passenger accommodation.

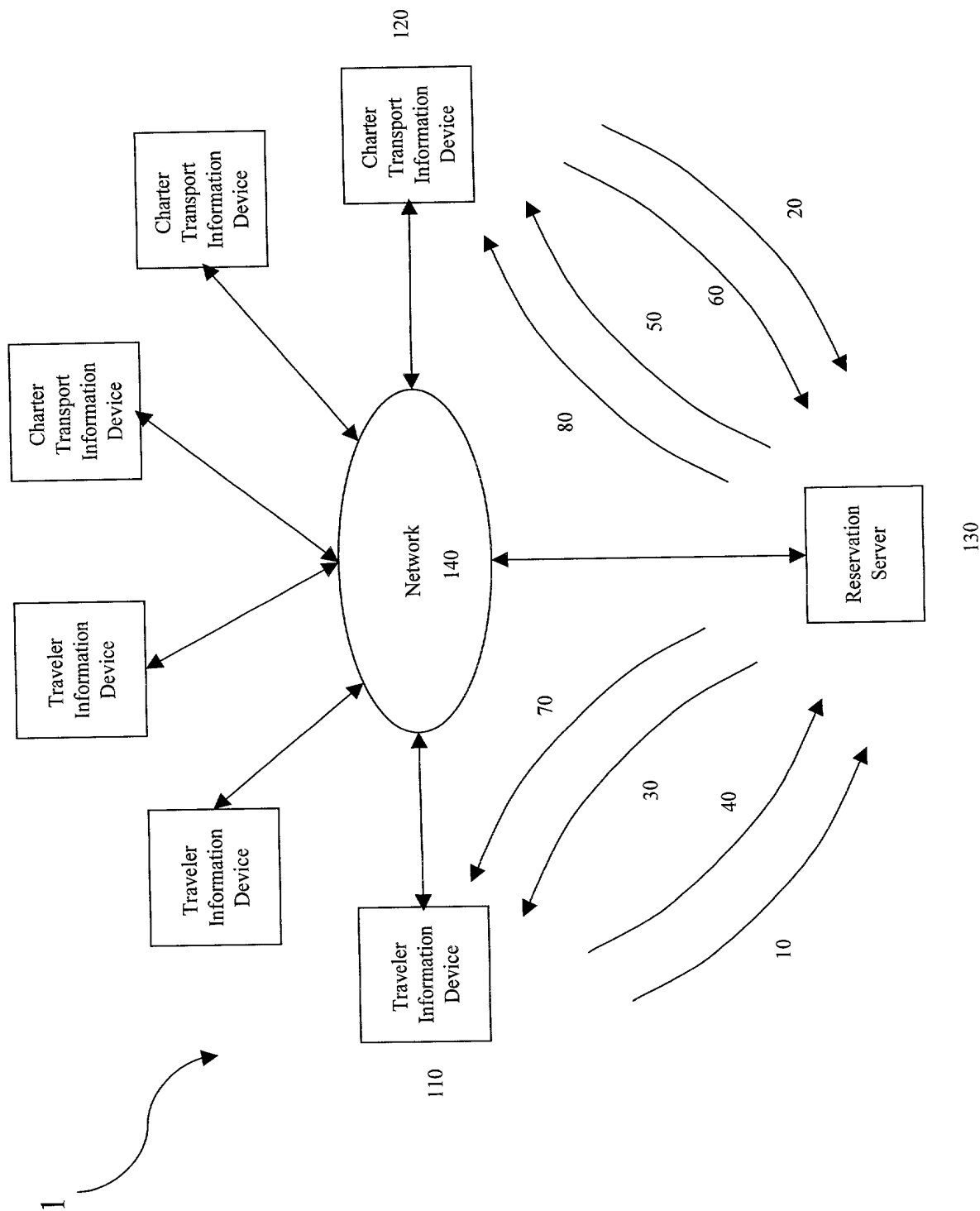
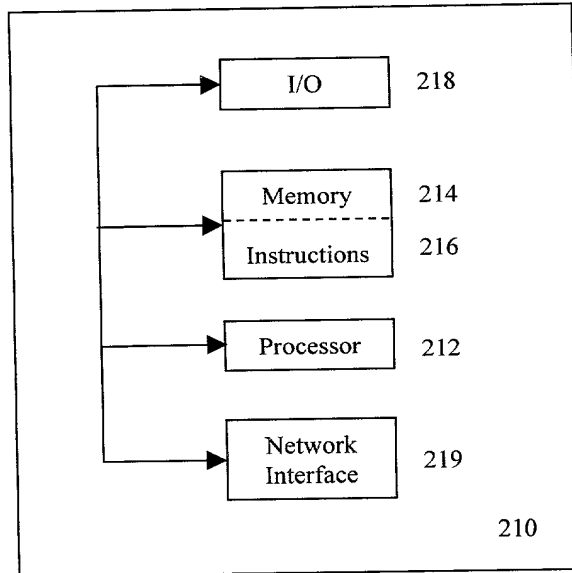


Fig. 1



**Fig. 2**